

State Well Report

Part I - Driller's Log

Mississippi Department of Environmental Quality
 Office of Land and Water Resources
 P.O. Box 2309
 Jackson, MS 39225
 (601)961- 5210
 (601)961- 5228 (fax)

County: Newton
 Permit #: _____
 Driller: McDonald & Hill, Inc.
 Date drilling completed: 9/11/12

For Office Use Only:
 Aquifer: _____
 Well #: 051
 L. S. Elevation: _____
 E-log #: _____

State Law requires that this report be prepared by the license holder responsible for the work and filed with the Department at the above address within 30 days of completion of drilling of the well or borehole.

Information on Well Owner (Landowner if borehole is not for a water well)	Well or Borehole Location
Owner Name: <u>Terry Garrison</u>	Latitude: <u>32° 16' 01"</u> Longitude: <u>89° 09' 16"</u>
Mailing Address: <u>1529 Newton Calhoun Rd.</u>	Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS
City: <u>Newton</u> State: <u>MS</u> Zip Code: <u>39245</u>	<u>NE 1/4 NE 1/4 Sec 22</u> Twn <u>5N</u> Rng <u>11E</u>
Telephone No. () _____	Distance: <u>4</u> Miles Direction: <u>S</u> of Nearest Town: <u>Newton</u>

Well / Borehole Data

Date drilling started: 9/5/12 Date drilling completed: 9/11/12 Hole depth: 555' Hole diameter: 7"

Location of the source of any surface water used for drilling: Community

Method of dosing and volume of Chlorine used in drilling and development: 1 lb per 1,000 gallons

Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: _____

Name of organization running log(s): _____

Purpose of borehole (check one): Water Well Geotechnical/Geological Investigation Ground Source Heat Pump
 Seismic Survey Other (describe) _____

If drilling is not related to water well construction, skip the remainder of this block

Purpose of Well (check one): Home Industrial Public Supply Irrigation Fish Culture Other: chicken house

If a flowing well, method of flow regulation: Valve _____ Other (describe) _____

Static Water Level: 1105 feet above or below (circle one) land surface Date measured: 9/11/12

Method of Measurement (circle one) steel tape electric tape air line other: _____

Well depth: 555 Well grouted to a depth of 10 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 430 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: 10 feet Screen diameter: 2 inches Type of screen: S-S

Screen slot size: .008 inches Setting depth: From 455 feet to 555 feet

Type of completion (circle all applicable): Gravel packed Underreamed Telescoped Open hole Natural Development
 Other (describe): _____

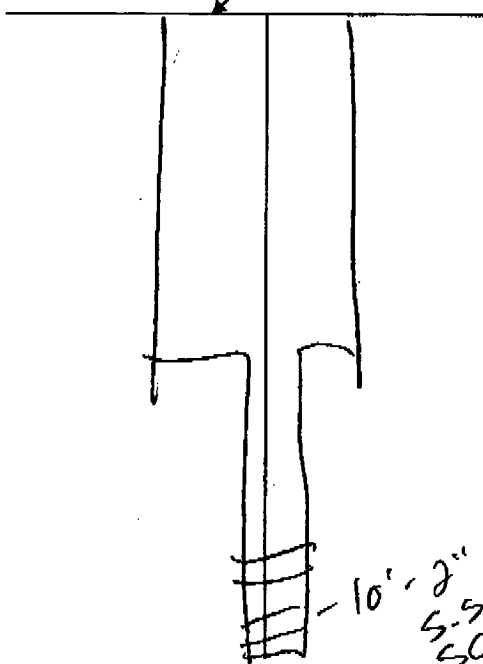
Top of lap pipe or reduction in casing: 419 feet. *If telescoped or more than one screen, describe on next page*

051

The sketch below only required for water wells

If well telescopes, show depths on sketch.

Ground Level →

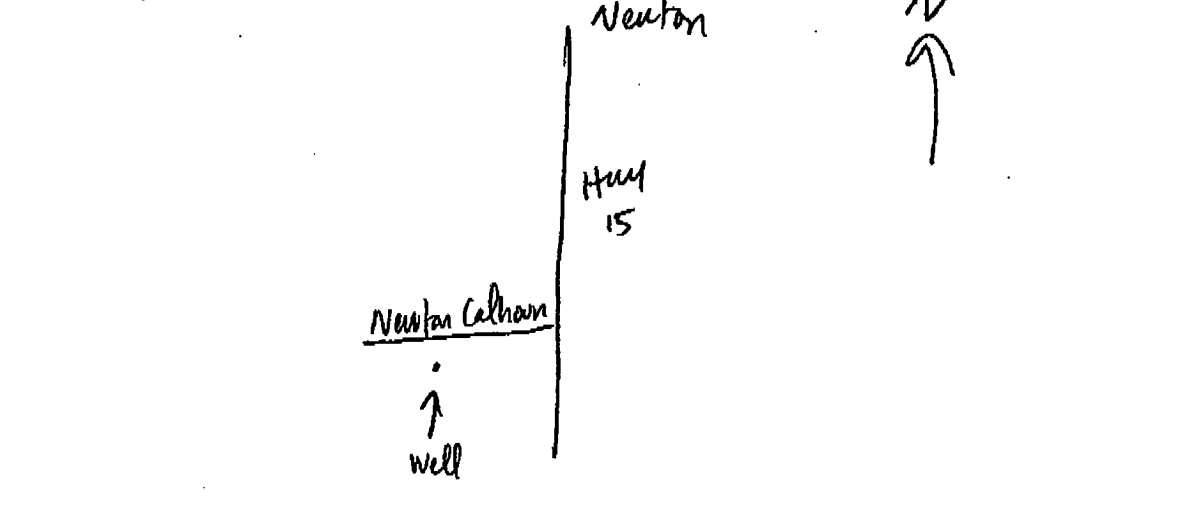


If more than one screen, show location of each on sketch

Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations

Description of Formations Encountered	From (depth)	To (depth)
Clay	Ground Level	15
Sand	15	105
Sandy shale	105	220
Sand, sandy st/shale	220	220 420
Shale	420	480
Shale/sand st.	480	500
sf. green sand/shale	500	520
green sand/Rock st.	520	540
green sand.	540	555

Sketch the property layout and include the following: 1) the well location; 2) any permanent structures on the property that may aid in locating the well; 3) any roads, power lines, or other items that may aid in locating the property and the well; 4) a north arrow.



Landowner Name: Jerry Garrison

Form: OLWR-SWR-1A (04/08)

I certify that the well/borehole was drilled, constructed, and completed in accordance with all applicable requirements of the Mississippi Department of Environmental Quality and the Mississippi Department of Health regulations, if applicable, and state laws.

Harold Hill / McDonald + Hill / 0-8
Print Name of Responsible Licensee and License No.

9/17/12
Date

Harold Hill
Signature of Licensee

STATE WELL REPORT

County: Newton
 Permit #: _____
 Driller: McDonald + Hill
 Date completed: 9/12/12
Copy information from block on Part 1

Part 2
Pump Installer's Completion Report
 Mississippi Department of Environmental Quality
 Office of Land and Water Resources
 P.O. Box 2309
 Jackson, MS 39225
 (601)961-5210
 (601)961-5228 (fax)

For Office Use Only:
 Aquifer: _____
 Well #: 051
 Elevation: _____

This part of the report must be completed by a licensed water well contractor or a licensed pump installer. A copy of Part 1 of the report must be attached and both parts filed with the Department at the above address within 30 days of well completion.

Well Owner Information	Well Location
Owner Name: <u>Jerry Garrison</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>1526 Newton Calhoun Rd.</u>	Method of Lat/Long (check one): Conventional Survey _____
<u>Newton</u> <u>MS</u> <u>39345</u>	USGS quad _____, Hand-held GPS _____, Survey-grade GPS _____
City State Zip Code	<u>NE 1/4 NE 1/4 Sec 22 T 5N R 11E</u>
Telephone No. () _____	Distance Direction Nearest Town
	<u>4</u> Miles <u>S</u> of <u>Newton</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet <input type="radio"/> Submersible <input checked="" type="radio"/>	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston Turbine	Electric Motor <input checked="" type="radio"/> Hand Tractor PTO
Centrifugal Rotary Flowing Well	Windmill Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>2HP</u>
Date Pump Installed: <u>9/12/12</u>	Setting Depth: <u>200</u> feet
Rated Pump Capacity: <u>20</u> Gallons Per Minute	Number of Stages: <u>16</u>

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>9/12/12</u>	Air Line Electric Measuring Line Steel Tape <input checked="" type="radio"/>
Static Water Level (A): <u>165</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>200</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: <u>35</u> Feet Below Land Surface	Well yielded <u>20</u> GPM with a drawdown of
Test Pumping Rate: <u>20</u> Gallons Per Minute	<u>35</u> feet after <u>4</u> hours of pumping
Duration of Pump Test (minimum 4 hours): <u>4</u> hours	

I HEREBY CERTIFY that the above statements are true to the best of my knowledge.

Harold Hill / McDonald + Hill / #109 Harold Hill
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer